

SEQUENCE LISTING

<110> KROHN, KAI HEINO, MAARIT PETERSON, PART SCOTT, HAMISH S ANTONARAKIS, STYLIANOS E LALIOTI, MARIA D SHIMIZU, NOBUYOSHI D KUDOH, JUN D <120> NOVEL GENE DEFECTIVE IN APECED AND ITS USE <130> U 012653-9 <140> 09/508,658 <141> 2000-11-03 <150> PCT/FI98/00749 <151> 1998-09-23 <150> 973762 <151> 1997-09-23 <160> <170> .PatentIn version 3.1 <210> 1 <211> 2036 <212> DNA <213> Homo sapiens <220> <221> CDS <222> (137)..(1771)<223> <220> <221> mat peptide <222> (137)..()<223> <400> 1 agaccgggga gacgggcggg cgcacagccg gcgcggaggc cccacagccc cgccgggacc 60 cgaggccaag cgaggggctg ccagtgtccc gggacccacc gcgtccgccc caqccccqqq 120 teccegegee caeece atg geg acg geg geg eta ege egg ett etg agg 172 Met Ala Thr Asp Ala Ala Leu Arg Arg Leu Leu Arg ctg cac cgc acg gag atc gcg gtg gcc gtg gac agc gcc ttc cca ctg 220 Leu His Arg Thr Glu Ile Ala Val Ala Val Asp Ser Ala Phe Pro Leu 15 20

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	-	-										gac Asp				1084
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												tgc Cys				1564
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Gly Gly Glu Leu Ile Cys Cys Asp Gly Cys Pro Arg Ala Phe His Leu 305 315 320

Ala Cys Leu Ser Pro Pro Leu Arg Glu Ile Pro Ser Gly Thr Trp Arg

325 330 335

Cys Ser Ser Cys Leu Gln Ala Thr Val Gln Glu Val Gln Pro Arg Ala 345 340 Glu Glu Pro Arg Pro Gln Glu Pro Pro Val Glu Thr Pro Leu Pro Pro Gly Leu Arg Ser Ala Gly Glu Glu Val Arg Gly Pro Pro Gly Glu Pro 375 Leu Ala Gly Met Asp Thr Thr Leu Val Tyr Lys His Leu Pro Ala Pro Pro Ser Ala Ala Pro Leu Pro Gly Leu Asp Ser Ser Ala Leu His Pro Leu Leu Cys Val Gly Pro Glu Gly Gln Gln Asn Leu Ala Pro Gly Ala 420 425 Arg Cys Gly Val Cys Gly Asp Gly Thr Asp Val Leu Arg Cys Thr His 440 Cys Ala Ala Ala Phe His Trp Arg Cys His Phe Pro Ala Gly Thr Ser 455 Arg Pro Gly Thr Gly Leu Arg Cys Arg Ser Cys Ser Gly Asp Val Thr Pro Ala Pro Val Glu Gly Val Leu Ala Pro Ser Pro Ala Arg Leu Ala

Pro Gly Pro Ala Lys Asp Asp Thr Ala Ser His Glu Pro Ala Leu His 500 505 510

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Kai Krohn, et al.

Serial No.: 09/508,658

Group No.: 1634

Filed: November 3, 2000

Examiner.: Diana B. Johannsen

For: NOVEL GENE DEFECTIVE IN APECED AND ITS USE

Attorney Docket No.: U 012653-9

Assistant Commissioner of Patents

Washington, D.C. 20231

<u>AMENDMENT</u>

Please replace the sequence listing on file in this application with the attached sequence listing. Support for SEQ ID NO: 3 to 7 is found in Figure 5 and on page 6, lines 4-9 of the specification.

Respectfully submitted,

Sanet 1. Cord c/o Ladas & Parry 26 West 61st Street New York, NY 10023

Reg. No. 33,778 (212) 708-1935

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Date: January 15, 2003

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Signature

(type or print name of person certifying)



SEQUENCE LISTING

<pre><110> KROHN, KAI HEINO, MAARIT PETERSON, PART SCOTT, HAMISH S ANTONARAKIS, STYLIANOS E LALIOTI, MARIA D SHIMIZU, NOBUYOSHI D KUDOH, JUN D</pre>	
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